

ABSTRACT

5 A mechanical dilatation and medicament delivery device
for enlarging a flow passage of a vessel by dilating and
delivering a therapeutic agent or medicament to an
obstruction in the vessel. The present invention comprises
a substantially cylindrically shaped expansion member and
includes a means engaged to the expansion member for
altering the distance between the proximal end and the
10 distal end of the expansion member thereby transforming the
expansion member between a diametrically contracted
configuration to diametrically expanded configuration. A
therapeutic agent or medicament is coated on either the
expansion member, or incorporated into a substrate coated
15 on the expansion member.

20 The present method comprises the steps of advancing
the coated expansion member to the obstruction in a vessel
and applying opposed forces on said expansion member in an
axial direction to move the expansion member to an expanded
configuration wherein the expansion member dilates the
obstruction and the expansion member either passively or
actively delivers a therapeutic agent or medicament to the
obstruction.

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